



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D4682-041**  
**Job Sheet 202081**



**Part No:** D4682-041

**Job Qty:** 8 pcs

**Part Name:** Wearplate Assembly



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 10/18/19

**Job Tracking No:**

**Due Date:** 11/25/19

**Created By:** Marie Lajeunesse

**Type:** Stock

**Description:**

**Note:** D .682 REV.F/ DSK179 REV.A IPP REV:A 13.03.27 NEW ISSUE DD VERF:JLM IPP REV:B 13.11.14 AS PER DWG REV.B DD VERF:JLM IPP REV:C 14.03.13 AS PER DWG REV.PC1 DD VERF:JLM IPP REV:D 14.11.24 AS PER DWG REV.C DD VERF:JLM IPP REV:E 15.06.10 AS PER DWG REV.D DD VERF:JLM IPP REV:F 19.09.23 AS PER DWG REV.E DD VERF:DP

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation           | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off    |
|-------|---------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|-------------|
|       |                     |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |             |
| 110   | Waterjet - Flow - 1 | 8 pcs |            | 11/25/19 | 0.17      | 1.66    | Waterjet - Flow       |           | DL 19/10/30 |
| 120   | QC 2                | 8 pcs |            | 11/25/19 | 0.00      | 0.00    | QC 2 - 1              |           |             |
|       |                     |       |            |          |           |         | QC 2 - 12             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 14             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 17             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 19             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 2              |           |             |
|       |                     |       |            |          |           |         | QC 2 - 20             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 22             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 23             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 25             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 32             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 33             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 35             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 39             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 4              |           |             |
|       |                     |       |            |          |           |         | QC 2 - 40             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 44             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 45             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 48             |           | DL 19/10/30 |
|       |                     |       |            |          |           |         | QC 2 - 49             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 50             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 51             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 52             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 57             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 62             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 63             |           |             |
|       |                     |       |            |          |           |         | QC 2 - 8              |           |             |

Dart Aerospace Ltd.  
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**Container No:** S228410



**Part:** D4682-041

**Job No:** 202081

**Serial No/Batch:** S228410

**Revision:** F/A

**Inspector:**

**Exp Date:**

**Instructions:** Various STC's

**Date:** 11/27/19

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|                                |          |          |           |                             |                               |
|--------------------------------|----------|----------|-----------|-----------------------------|-------------------------------|
|                                |          |          |           | QC 2 - 66                   |                               |
|                                |          |          |           | QC 2 - 64                   |                               |
|                                |          |          |           | QC 2 - 65                   |                               |
|                                |          |          |           | QC 2 - 5                    |                               |
|                                |          |          |           | QC 2 - 71                   |                               |
|                                |          |          |           | QC 2 - 73                   |                               |
|                                |          |          |           | QC 2 - 69                   |                               |
| 130 QC 8                       | 8<br>pcs | 11/25/19 | 0.00 0.00 | QC 8 - 12                   |                               |
|                                |          |          |           | QC 8 - 14                   |                               |
|                                |          |          |           | QC 8 - 17                   |                               |
|                                |          |          |           | QC 8 - 20                   |                               |
|                                |          |          |           | QC 8 - 25                   |                               |
|                                |          |          |           | QC 8 - 3                    |                               |
|                                |          |          |           | QC 8 - 32                   |                               |
|                                |          |          |           | QC 8 - 33                   |                               |
|                                |          |          |           | QC 8 - 35                   |                               |
|                                |          |          |           | QC 8 - 39                   |                               |
|                                |          |          |           | QC 8 - 4                    |                               |
|                                |          |          |           | QC 8 - 44                   |                               |
|                                |          |          |           | QC 8 - 45                   |                               |
|                                |          |          |           | QC 8 - 49                   |                               |
|                                |          |          |           | QC 8 - 58                   |                               |
|                                |          |          |           | QC 8 - 8                    |                               |
|                                |          |          |           | QC 8 - 9                    |                               |
|                                |          |          |           | QC 8 - 68                   | DAS<br>OCT 30 2019 68         |
|                                |          |          |           | QC 8 - 67                   | 9-89                          |
|                                |          |          |           | QC 8 - 1 (A)                |                               |
|                                |          |          |           | QC 8 - 47                   |                               |
|                                |          |          |           | QC 8 - 40                   |                               |
|                                |          |          |           | QC 8 - 52                   |                               |
|                                |          |          |           | QC 8 - 23                   |                               |
|                                |          |          |           | QC 8 - 57                   |                               |
|                                |          |          |           | QC 8 - 76                   |                               |
|                                |          |          |           | QC 8 - 61                   |                               |
| 140 Small Fab - Brake NC - B4B | 8<br>pcs | 11/25/19 | 0.25 1.33 | Small Fab - Brake - 1 - B4B | DAS<br>30 NOV 26 2019<br>9-89 |
|                                |          |          |           | Small Fab - Brake - 2 - B4B |                               |
|                                |          |          |           | Small Fab - Brake - 3 - B4B |                               |
| 150 QC 5                       | 8<br>pcs | 11/25/19 | 0.00 0.00 | QC 5 - 10                   |                               |
|                                |          |          |           | QC 5 - 12                   |                               |
|                                |          |          |           | QC 5 - 17                   |                               |
|                                |          |          |           | QC 5 - 18                   |                               |
|                                |          |          |           | QC 5 - 19                   |                               |
|                                |          |          |           | QC 5 - 22                   |                               |
|                                |          |          |           | QC 5 - 24                   |                               |
|                                |          |          |           | QC 5 - 3                    |                               |
|                                |          |          |           | QC 5 - 43                   |                               |
|                                |          |          |           | QC 5 - 49                   |                               |
|                                |          |          |           | QC 5 - 51                   |                               |
|                                |          |          |           | QC 5 - 58                   |                               |
|                                |          |          |           | QC 5 - 68                   |                               |
|                                |          |          |           | QC 5 - 9                    |                               |
|                                |          |          |           | QC 5 - 50                   |                               |
|                                |          |          |           | QC 5 - 30                   |                               |
|                                |          |          |           | QC 5 - 40                   | DAS<br>NOV 27 2019 40<br>9-89 |
|                                |          |          |           | QC 5 - 61                   |                               |
|                                |          |          |           | QC 5 - 81                   |                               |
| 155 Automated Welding - B4B    | 8        | 11/25/19 | 0.25 1.33 | Automated Welding - 1 -     | PL                            |

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[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

|                                  | pcs   |          |           | B4B                            |             |
|----------------------------------|-------|----------|-----------|--------------------------------|-------------|
| 60 Large Fab - Welded Assy-2-B4B | 8 pcs | 11/25/19 | 0.00 4.00 | Large Fab - 1 - B4B            |             |
|                                  |       |          |           | Large Fab - 10 - B4B           |             |
|                                  |       |          |           | Large Fab - 2 - B4B            |             |
|                                  |       |          |           | Large Fab - 3 - B4B            |             |
|                                  |       |          |           | Large Fab - 4 - B4B            |             |
|                                  |       |          |           | Large Fab - 5 - B4B            |             |
|                                  |       |          |           | Large Fab - 6 - B4B            |             |
|                                  |       |          |           | Large Fab - 7 - B4B            |             |
|                                  |       |          |           | Large Fab - 8 - B4B            |             |
|                                  |       |          |           | Large Fab - 9 - B4B            |             |
|                                  |       |          |           | Large Fab - 11 - B4B (Various) |             |
|                                  |       |          |           | Large Fab - 12 - B4B           |             |
| 170 QC 9                         | 8 pcs | 11/25/19 | 0.00 0.00 | QC 9 - 10                      |             |
|                                  |       |          |           | QC 9 - 18                      |             |
|                                  |       |          |           | QC 9 - 24                      |             |
|                                  |       |          |           | QC 9 - 43                      |             |
|                                  |       |          |           | QC 9 - 50                      | BZ          |
|                                  |       |          |           | QC 9 - 9                       |             |
| 180 QC 5                         | 8 pcs | 11/25/19 | 0.00 0.00 | QC 5 - 10                      |             |
|                                  |       |          |           | QC 5 - 12                      |             |
|                                  |       |          |           | QC 5 - 17                      |             |
|                                  |       |          |           | QC 5 - 18                      |             |
|                                  |       |          |           | QC 5 - 19                      |             |
|                                  |       |          |           | QC 5 - 22                      |             |
|                                  |       |          |           | QC 5 - 24                      |             |
|                                  |       |          |           | QC 5 - 3                       |             |
|                                  |       |          |           | QC 5 - 43                      |             |
|                                  |       |          |           | QC 5 - 49                      |             |
|                                  |       |          |           | QC 5 - 51                      |             |
|                                  |       |          |           | QC 5 - 58                      |             |
|                                  |       |          |           | QC 5 - 68                      |             |
|                                  |       |          |           | QC 5 - 9                       |             |
|                                  |       |          |           | QC 5 - 50                      | BZ          |
|                                  |       |          |           | QC 5 - 30                      |             |
|                                  |       |          |           | QC 5 - 40                      |             |
|                                  |       |          |           | QC 5 - 61                      |             |
|                                  |       |          |           | QC 5 - 81                      |             |
| 190 Spray Paint - 2 - B4B        | 8 pcs | 11/25/19 | 0.00 0.67 | Spray Paint - 1 - B4B          |             |
|                                  |       |          |           | Spray Paint - 2 - B4B          | RD 19-11-28 |
|                                  |       |          |           | Spray Paint - 3 - B4B          |             |
|                                  |       |          |           | Spray Paint - 4 - B4B          |             |
| 200 QC 5                         | 8 pcs | 11/25/19 | 0.00 0.00 | QC 5 - 10                      |             |
|                                  |       |          |           | QC 5 - 12                      |             |
|                                  |       |          |           | QC 5 - 17                      |             |
|                                  |       |          |           | QC 5 - 18                      |             |
|                                  |       |          |           | QC 5 - 19                      |             |
|                                  |       |          |           | QC 5 - 22                      |             |
|                                  |       |          |           | QC 5 - 24                      |             |
|                                  |       |          |           | QC 5 - 3                       |             |
|                                  |       |          |           | QC 5 - 43                      |             |
|                                  |       |          |           | QC 5 - 49                      |             |
|                                  |       |          |           | QC 5 - 51                      |             |
|                                  |       |          |           | QC 5 - 58                      |             |
|                                  |       |          |           | QC 5 - 68                      |             |
|                                  |       |          |           | QC 5 - 9                       |             |
|                                  |       |          |           | QC 5 - 50                      |             |
|                                  |       |          |           | QC 5 - 30                      |             |

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NOV 29 2019  
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|                                 |          |          |           |                        |   |
|---------------------------------|----------|----------|-----------|------------------------|---|
| 210 Packaging 3-1 - Stock - B4B | 8<br>pcs | 11/25/19 | 0.00 0.00 | QC 5 - 40              |   |
|                                 |          |          |           | QC 5 - 61              |   |
|                                 |          |          |           | QC 5 - 81              |   |
|                                 |          |          |           | Packaging 3 - 1 - B4B  |   |
|                                 |          |          |           | Packaging 3 - 2 - B4B  |   |
|                                 |          |          |           | Packaging 3 - 3 - B4B  | ✓ |
|                                 |          |          |           | Packaging 3 - 4 - B4B  |   |
|                                 |          |          |           | Packaging 3 - 5 - B4B  |   |
|                                 |          |          |           | Packaging 3 - 6 - B4B  |   |
|                                 |          |          |           | Packaging 3 - 7 - B4B  |   |
|                                 |          |          |           | Packaging 3 - 8 - B4B  |   |
|                                 |          |          |           | Packaging 3 - 9 - B4B  |   |
|                                 |          |          |           | Packaging 3 - 10 - B4B |   |
|                                 |          |          |           | Packaging 3 - 11 - B4B |   |
|                                 |          |          |           | Packaging 3 - 12 - B4B |   |
|                                 |          |          |           | Packaging 3 - 13 - B4B |   |
|                                 |          |          |           | Packaging 3 - 14 - B4B |   |
|                                 |          |          |           | Packaging 3 - 15 - B4B |   |
|                                 |          |          |           | Packaging 3 - 16 - B4B |   |
|                                 |          |          |           | Packaging 3 - 17 - B4B |   |
|                                 |          |          |           | Packaging 3 - 18 - B4B |   |
|                                 |          |          |           | Packaging 3 - 19 - B4B |   |
|                                 |          |          |           | Packaging 3 - 20 - B4B |   |
|                                 |          |          |           | Packaging 3 - 21 - B4B |   |
|                                 |          |          |           | Packaging 3 - 22 - B4B |   |
|                                 |          |          |           | Packaging 3 - 23 - B4B |   |
|                                 |          |          |           | Packaging 3 - 24 - B4B |   |
|                                 |          |          |           | Packaging 3 - 25 - B4B |   |
|                                 |          |          |           | Packaging 3 - 26 - B4B |   |
|                                 |          |          |           | Packaging 3 - 27 - B4B |   |
|                                 |          |          |           | Packaging 3 - 28 - B4B |   |
|                                 |          |          |           | Packaging 3 - 29 - B4B |   |
|                                 |          |          |           | Packaging 3 - 30 - B4B |   |
|                                 |          |          |           | Packaging 3 - 31 - B4B |   |
|                                 |          |          |           | Packaging 3 - 32 - B4B |   |
|                                 |          |          |           | Packaging 3 - 33 - B4B |   |
|                                 |          |          |           | Packaging 3 - 34 - B4B |   |
|                                 |          |          |           | Packaging 3 - 35 - B4B |   |
|                                 |          |          |           | Packaging 3 - 36 - B4B |   |
| 220 QC 21 - SA                  | 8<br>pcs | 11/25/19 | 0.00 0.00 | QC 21 - SA - 21        |   |
|                                 |          |          |           | QC 21 - SA - 70        |   |
|                                 |          |          |           | QC 21 - SA - 53        |   |

NOV 29 2019  
ST #7605 OscarNOV 29 2019  
ST #7605DAS  
NOV 29 2019

Part Op 110 - 1-Cut DSK179-1F as per DWG. DWG. Rev: A PROG. Rev: A 2-Debur if necessary

Descriptions: 120 - (QC2- Inspect parts off machine FAI/FAIB)  
 130 - (QC8- Inspect parts - second check)  
 140 - FORM D5661-1 WEARPLATE AS PER DWG  
 150 - (QC5- Inspect part completeness to step on W/O)  
 155 - \*\*\*USE DT10493\*\*\* APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 8259 ROD PER QSI 004  
 SECTION 4.5 (AUTOMATED WELDING) BATCH: \_\_\_\_\_  
 160 - \*\*\*MINIMUM 7 WELDS DISTRIBUTED ACROSS SHIM AND MINIMUM 1 WELD PER INDICATED COLUMN\*\*\* 1-  
 WELD SHIMS AS PER DWG A/R Hardcoat S.S. Batch: \_\_\_\_\_ 2- FORM FWD END AS PER DWG 3- TRANSFER  
 DRILL 00.188 DRAIN HOLE FROM WEARPLATE THRU SHIM  
 170 - (QC9- Inspect visual per QSI004- Fusion Welds)  
 180 - (QC5- Inspect part completeness to step on W/O)  
 190 - 1- COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING, 0.020-0.040 THICK PER QSI 005  
 SECTION 4.9 BATCH: 5237567 2- OPEN UP DRAIN HOLE IF NECESSARY TO 0.188 AFTER APPLYING  
 TEXTURED COATING AS PER DWG 3- INDICATE FWD DIRECTION IN LOCATION SHOWN USING WHITE PAINT  
 MARKER AFTER FINISH  
 200 - (QC5- Inspect part completeness to step on W/O)  
 210 - (Identify as per dwg & Stock Location: \_\_\_\_\_)  
 220 - (QC21- Final Inspection - Work Order Release)

| Job BOM                            |                    |                     |                                    |           |
|------------------------------------|--------------------|---------------------|------------------------------------|-----------|
| Part / Item                        | Component Name     | Quantity            | Operation                          | Container |
| M304S18GA                          | 304/316 .050 Sheet | 8.4800 sf (1.06 ea) | 110-Waterjet - Flow - 1            | S227406   |
| D4682-9                            | Wearplate Shim     | 8 pcs (1 ea)        | 160-Large Fab - Welded Assy-2- B4B | S227435   |
| D4682-13                           | Saddle Shim        | 8 pcs (1 ea)        | 160-Large Fab - Welded Assy-2- B4B | S224876   |
| Job Allocations                    |                    |                     |                                    |           |
| Operation                          | Component Part     | Required            | Inventory                          | Allocated |
| 110-Waterjet - Flow - 1            | M304S18GA          | 8                   | 52                                 | 0         |
| 160-Large Fab - Welded Assy-2- B4B | D4682-13           | 8                   | 0                                  | 0         |
|                                    | D4682-9            | 8                   | 29                                 | 0         |
| Part Specifications                |                    |                     |                                    |           |
| Specifications could not be found. |                    |                     |                                    |           |

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# INSPECTION SHEET

**DAS**  
**40**  
**9-89**

|                                         |  |       |
|-----------------------------------------|--|-------|
| Engineering Approval:<br>(If necessary) |  | Date: |
|-----------------------------------------|--|-------|

H:\FORMS\Quality Assurance\approved QA\Inspection Sheet revB

Entered: \_\_\_\_\_ Date: \_\_\_\_\_

# WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                              |                                 |                                                                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                     |                   |  |  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|-------------------|--|--|-----------------|---------------|------------------|------------------|---------|-----------------------|---------------|-------------------|----------|-----------|-----------------|---------|--------|----------------------|------|--------|------------------------------|---------------------------------|--------------------|-------------------|---------------|-------------|-----------------|---------|------------|--------------|----------------|--|
| Job: _____<br>Part No. _____                                                                                                                                                                                                                                                                                                                                                 |                                 | <b>DISPOSITION</b><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> |                   | <b>DEPARTMENT/PROCESS</b><br>Skid-tube <input type="checkbox"/> Cross tube <input type="checkbox"/> Eng. (Non-AW) <input type="checkbox"/><br>Machining <input type="checkbox"/> Small Fab <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/><br>Large Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/><br>Engineering <input type="checkbox"/> Water Jet <input type="checkbox"/><br>Supplier <input type="checkbox"/> Quality <input type="checkbox"/>                                                                                                                                                                                                                                                                      |                       |                     |                   |  |  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Date: _____                                                                                                                                                                                                                                                                                                                                                                  | Sequence #: _____               | QTY Affected: _____                                                                                                           |                   | MRB (QS1042)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                     |                   |  |  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                             |                                 |                                                                                                                               |                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |                     |                   |  |  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Root Cause<br>Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |                                 |                                                                                                                               |                   | <b>FAULT CATEGORY</b><br><table border="1"> <tr> <td>Pressure/Forced</td> <td>Contamination</td> <td>Power Loss/Surge</td> <td>Positioned Wrong</td> </tr> <tr> <td>Bending</td> <td>Misaligned/off center</td> <td>Folio/Program</td> <td>Outside Tolerance</td> </tr> <tr> <td>Crushing</td> <td>BOM/Route</td> <td>Grain Direction</td> <td>Drawing</td> </tr> <tr> <td>Cracks</td> <td>Broken/Damage/Defect</td> <td>Weld</td> <td>Finish</td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave/Twist</td> <td>Incomplete/Unclear Instructions</td> <td>Wrong Stock Pulled</td> <td>Part Lost/Missing</td> </tr> <tr> <td>Marks/Chatter</td> <td>Drill Holes</td> <td>Out of Sequence</td> <td>Misread</td> </tr> <tr> <td>Mislabeled</td> <td>Fit/Function</td> <td>Off-set/Set-up</td> <td></td> </tr> </table> |                       |                     |                   |  |  | Pressure/Forced | Contamination | Power Loss/Surge | Positioned Wrong | Bending | Misaligned/off center | Folio/Program | Outside Tolerance | Crushing | BOM/Route | Grain Direction | Drawing | Cracks | Broken/Damage/Defect | Weld | Finish | Crimp/Kink/Ripple/Wave/Twist | Incomplete/Unclear Instructions | Wrong Stock Pulled | Part Lost/Missing | Marks/Chatter | Drill Holes | Out of Sequence | Misread | Mislabeled | Fit/Function | Off-set/Set-up |  |
|                                                                                                                                                                                                                                                                                                                                                                              |                                 |                                                                                                                               |                   | Pressure/Forced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Contamination         | Power Loss/Surge    | Positioned Wrong  |  |  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
|                                                                                                                                                                                                                                                                                                                                                                              |                                 |                                                                                                                               |                   | Bending                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Misaligned/off center | Folio/Program       | Outside Tolerance |  |  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
|                                                                                                                                                                                                                                                                                                                                                                              |                                 |                                                                                                                               |                   | Crushing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BOM/Route             | Grain Direction     | Drawing           |  |  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Cracks                                                                                                                                                                                                                                                                                                                                                                       | Broken/Damage/Defect            | Weld                                                                                                                          | Finish            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                     |                   |  |  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Crimp/Kink/Ripple/Wave/Twist                                                                                                                                                                                                                                                                                                                                                 | Incomplete/Unclear Instructions | Wrong Stock Pulled                                                                                                            | Part Lost/Missing |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                     |                   |  |  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Marks/Chatter                                                                                                                                                                                                                                                                                                                                                                | Drill Holes                     | Out of Sequence                                                                                                               | Misread           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                     |                   |  |  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Mislabeled                                                                                                                                                                                                                                                                                                                                                                   | Fit/Function                    | Off-set/Set-up                                                                                                                |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                     |                   |  |  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                               |                                 |                                                                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                     |                   |  |  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Completed By                                                                                                                                                                                                                                                                                                                                                                 |                                 |                                                                                                                               |                   | Lead hand / Supervisor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       | QC / QA Coordinator |                   |  |  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |